

## RAW SEQUENCE LISTING

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Application Serial Number: 10/534,578  
Source: IFW0  
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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/534,578**

**DATE: 09/26/2006**  
**TIME: 10:14:57**

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3 <110> APPLICANT: CHAWLA, NARINDER K.
4      TANG, TOM Y.
5      GRIFFIN, JENNIFER A.
6      YANG, YONGHONG G.
7      RAMKUMAR, JAYALAXMI
8      KHARE, REENA
9      RICHARDSON, THOMAS W.
10     BECHA, SHANYA D.
11     TRAN, UYEN K.
12     KABLE, AMY E.
13     SWARNAKAR, ANITA
14     WARREN, BRIDGET A.
15     ELLIOTT, VICKI S.
16     MARQUIS, JOSEPH P.
17     HAFALIA, APRIL J.A.
19 <120> TITLE OF INVENTION: CARBOHYDRATE-ASSOCIATED PROTEINS
21 <130> FILE REFERENCE: 059314-0301
23 <140> CURRENT APPLICATION NUMBER: 10/534,578
24 <141> CURRENT FILING DATE: 2005-05-11
26 <150> PRIOR APPLICATION NUMBER: PCT/US03/035947
27 <151> PRIOR FILING DATE: 2003-11-10
29 <150> PRIOR APPLICATION NUMBER: 60/463,676
30 <151> PRIOR FILING DATE: 2003-04-16
32 <150> PRIOR APPLICATION NUMBER: 60/456,645
33 <151> PRIOR FILING DATE: 2003-03-20
35 <150> PRIOR APPLICATION NUMBER: 60/453,882
36 <151> PRIOR FILING DATE: 2003-03-10
38 <150> PRIOR APPLICATION NUMBER: 60/441,847
39 <151> PRIOR FILING DATE: 2003-01-21
41 <150> PRIOR APPLICATION NUMBER: 60/425,423
42 <151> PRIOR FILING DATE: 2002-11-12
44 <160> NUMBER OF SEQ ID NOS: 40
46 <170> SOFTWARE: PatentIn Ver. 3.3
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61          20          25          30
63 Pro Ala Val Ile Ala Cys Ser Ser Pro Gly Ile Asn Gly Phe Pro Gly
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66 Lys Asp Gly Arg Asp Gly Thr Lys Gly Glu Lys Gly Glu Pro Gly Gln
67          50          55          60
69 Gly Leu Arg Gly Leu Gln Gly Pro Pro Gly Lys Leu Gly Pro Pro Gly
70 65          70          75          80
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92          20          25          30
94 Leu Arg Trp Asp Lys Asn Pro Lys Thr Lys Glu Gln Ile Glu Asn Leu
95          35          40          45
97 Leu Arg Asn Gly Met Asn Lys Glu Leu Arg Asp Arg Leu Cys Cys Arg
98          50          55          60
100 Met Thr Phe Gly Thr Ala Gly Leu Arg Ser Ala Met Gly Ala Gly Phe
101 65          70          75          80
103 Cys Tyr Ile Asn Asp Leu Thr Val Ile Gln Ser Thr Gln Gly Met Tyr
104          85          90          95
106 Lys Tyr Leu Glu Arg Cys Phe Ser Asp Phe Lys Gln Arg Gly Phe Val
107          100         105         110
109 Val Gly Tyr Asp Thr Arg Gly Gln Val Thr Ser Ser Cys Ser Ser Gln
110          115         120         125
112 Arg Leu Ala Lys Leu Thr Ala Ala Val Leu Ala Lys Asp Val Pro
113          130         135         140
115 Val Tyr Leu Phe Ser Arg Tyr Val Pro Thr Pro Phe Val Pro Tyr Ala
116 145          150          155          160
118 Val Gln Lys Leu Lys Ala Val Ala Gly Val Met Ile Thr Ala Ser His
119          165          170          175
121 Asn Arg Lys Glu Asp Asn Gly Tyr Lys Val Tyr Trp Glu Thr Gly Ala
122          180          185          190
124 Gln Ile Thr Ser Pro His Asp Lys Glu Ile Leu Lys Cys Ile Glu Glu
125          195          200          205
127 Cys Val Glu Pro Trp Asn Gly Ser Trp Asn Asp Asn Leu Val Asp Thr
128          210          215          220
130 Ser Pro Leu Lys Arg Asp Pro Leu Gln Asp Ile Cys Arg Arg Tyr Met
131 225          230          235          240
133 Glu Asp Leu Lys Lys Ile Cys Phe Tyr Arg Glu Leu Asn Ser Lys Thr

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142	Pro Glu Gln Lys Asp Pro Asp Pro Asp Phe Ser Thr Val Lys Cys Pro			
143	290	295	300	
145	Asn Pro Glu Glu Gly Glu Ser Val Leu Glu Leu Ser Leu Arg Leu Ala			
146	305	310	315	320
148	Glu Lys Glu Asn Ala Arg Val Val Leu Ala Thr Asp Pro Asp Ala Asp			
149	325	330	335	
151	Arg Leu Ala Ala Ala Glu Leu Gln Glu Asn Gly Cys Trp Lys Val Phe			
152	340	345	350	
154	Thr Gly Asn Glu Leu Ala Ala Leu Phe Gly Trp Trp Met Phe Asp Cys			
155	355	360	365	
157	Trp Lys Lys Asn Lys Ser Arg Asn Ala Asp Val Lys Asn Val Tyr Met			
158	370	375	380	
160	Leu Ala Thr Thr Val Ser Ser Lys Ile Leu Lys Ala Ile Ala Leu Lys			
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163	Glu Gly Phe His Phe Glu Glu Thr Leu Pro Gly Phe Lys Trp Ile Gly			
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166	Ser Arg Ile Ile Asp Leu Leu Glu Asn Gly Lys Glu Val Leu Phe Ala			
167	420	425	430	
169	Phe Glu Glu Ser Ile Gly Phe Leu Cys Gly Thr Ser Val Leu Asp Lys			
170	435	440	445	
172	Asp Gly Val Ser Ala Ala Val Val Val Ala Glu Met Ala Ser Tyr Leu			
173	450	455	460	
175	Glu Thr Met Asn Ile Thr Leu Lys Gln Gln Leu Val Lys Val Tyr Glu			
176	465	470	475	480
178	Lys Tyr Gly Tyr His Ile Ser Lys Thr Ser Tyr Phe Leu Cys Tyr Glu			
179	485	490	495	
181	Pro Pro Thr Ile Lys Ser Ile Phe Glu Arg Leu Arg Asn Phe Asp Ser			
182	500	505	510	
184	Pro Lys Glu Tyr Pro Lys Phe Cys Gly Thr Phe Ala Ile Leu His Val			
185	515	520	525	
187	Arg Asp Ile Thr Thr Gly Tyr Asp Ser Ser Gln Pro Asn Lys Lys Ser			
188	530	535	540	
190	Val Leu Pro Val Ser Lys Asn Ser Gln Met Ile Thr Phe Thr Phe Gln			
191	545	550	555	560
193	Asn Gly Cys Val Ala Thr Leu Arg Thr Ser Gly Thr Glu Pro Lys Ile			
194	565	570	575	
196	Lys Tyr Tyr Ala Glu Met Cys Ala Ser Pro Asp Gln Ser Asp Thr Ala			
197	580	585	590	
199	Leu Leu Glu Glu Leu Lys Lys Leu Ile Asp Ala Leu Ile Glu Asn			
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Input Set : A:\05931403.APP  
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 219 20 25 30  
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 222 35 40 45  
 224 Leu Phe Glu Gly Asn Leu Glu Lys Glu Cys Tyr Glu Glu Thr Cys Val  
 225 50 55 60  
 227 Tyr Glu Glu Ala Arg Glu Val Phe Glu Asn Glu Val Val Thr Asp Glu  
 228 65 70 75 80  
 230 Phe Trp Arg Arg Tyr Lys Gly Gly Ser Pro Cys Ile Ser Gln Pro Cys  
 231 85 90 95  
 233 Leu His Asn Gly Ser Cys Gln Asp Ser Ile Trp Gly Tyr Thr Cys Thr  
 234 100 105 110  
 236 Cys Ser Pro Gly Tyr Glu Gly Ser Asn Cys Glu Leu Ala Lys Asn Glu  
 237 115 120 125  
 239 Cys His Pro Glu Arg Thr Asp Gly Cys Gln His Phe Cys Leu Pro Gly  
 240 130 135 140  
 242 Gln Glu Ser Tyr Thr Cys Ser Cys Ala Gln Gly Tyr Arg Leu Gly Glu  
 243 145 150 155 160  
 245 Asp His Lys Gln Cys Val Pro His Asp Gln Cys Ala Cys Gly Val Leu  
 246 165 170 175  
 248 Thr Ser Glu Lys Arg Ala Pro Asp Leu Gln Asp Leu Pro Trp Gln Asn  
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 271 20 25 30  
 273 Leu Lys Glu Ala Phe Ser Asn Phe Ser Ser Ser Thr Leu Thr Glu Val  
 274 35 40 45  
 276 Gln Ala Ile Ser Thr His Gly Gly Ser Val Gly Asp Lys Ile Thr Ser  
 277 50 55 60  
 279 Leu Gly Ala Lys Leu Glu Lys Gln Gln Asp Leu Lys Ala Asp His

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Input Set : A:\05931403.APP

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285	Val Ala Cys Gln Met Glu Leu Leu His Ser Asn Gly Ser Gln Arg Thr			
286	100	105	110	
288	Cys Cys Pro Val Asn Trp Val Glu His Gln Gly Ser Cys Tyr Trp Phe			
289	115	120	125	
291	Ser His Ser Gly Lys Ala Trp Ala Glu Ala Glu Lys Tyr Cys Gln Leu			
292	130	135	140	
294	Glu Asn Ala His Leu Val Val Ile Asn Ser Trp Glu Glu Gln Lys Phe			
295	145	150	155	160
297	Ile Val Gln His Thr Asn Pro Phe Asn Thr Trp Ile Gly Leu Thr Asp			
298	165	170	175	
300	Ser Asp Gly Ser Trp Lys Trp Val Asp Gly Thr Asp Tyr Arg His Asn			
301	180	185	190	
303	Tyr Lys Asn Trp Ala Val Thr Gln Pro Asp Asn Trp His Gly His Glu			
304	195	200	205	
306	Leu Gly Gly Ser Glu Asp Cys Val Glu Val Gln Pro Asp Gly Arg Trp			
307	210	215	220	
309	Asn Asp Asp Phe Cys Leu Gln Val Tyr Arg Trp Val Cys Gly Lys Arg			
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329	20	25	30	
331	Asp Val Leu Val Arg Trp Lys Arg Ala Gly Ser Tyr Leu Leu Glu Glu			
332	35	40	45	
334	Leu Phe Glu Gly Asn Leu Glu Lys Glu Cys Tyr Glu Glu Ile Cys Val			
335	50	55	60	
337	Tyr Glu Glu Ala Arg Glu Val Phe Glu Asn Glu Val Val Thr Asp Glu			
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/534,578

DATE: 09/26/2006

TIME: 10:14:58

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